

Lawyers are being challenged

-Impacts of IT & AI against Legal Communities
including ODR & Some Others-

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URYU & ITOGA



Contents

1. Introduction
2. An Impact of IT & AI against the Dispute Resolution –ODR–
3. An Example of ODR
4. Examples in Other Legal Areas
 - i. Smart Contract in Transactions
 - ii. Virtual Digital Room in M&A
 - iii. E-Discovery in the US Litigations
 - iv. ICO in Finance
5. Impacts of IT & AI against Legal Communities
6. Future of Legal Communities and Roles of Bar Associations



1. Introduction



- Recently, there are many events focusing upon the Impacts of IT and AI against Legal Communities.
- It is a proof that lawyers are now frustrated by the immediate development of IT and AI in the legal field.
- Try to describe the present situation by the development of Online Dispute Resolution (ODR) and some others which are using IT and AI.

2. An Impact of IT & AI against the Dispute Resolution –ODR–

- *US:* Private Sectors have explored the Online Dispute Resolution Services for *High Volume Low Value Cases*.

ex. 60 million filings per year to the eBay's ODR



- *EU:* ODR Regulation obliges e-commerce vendors to provide a link to connect ODR service providers recommended by EU, especially for *Cross-Border Consumer Cases*.



- *Japan:* It is one of the hot issues whether or not ODR should be one of the next important governmental policies.



2. An Impact of IT & AI against the Dispute Resolution –ODR–

- *UN:* UNCITRAL organized the ODR WG and it established *Technical Note on ODR* for the harmonization of ODR systems.



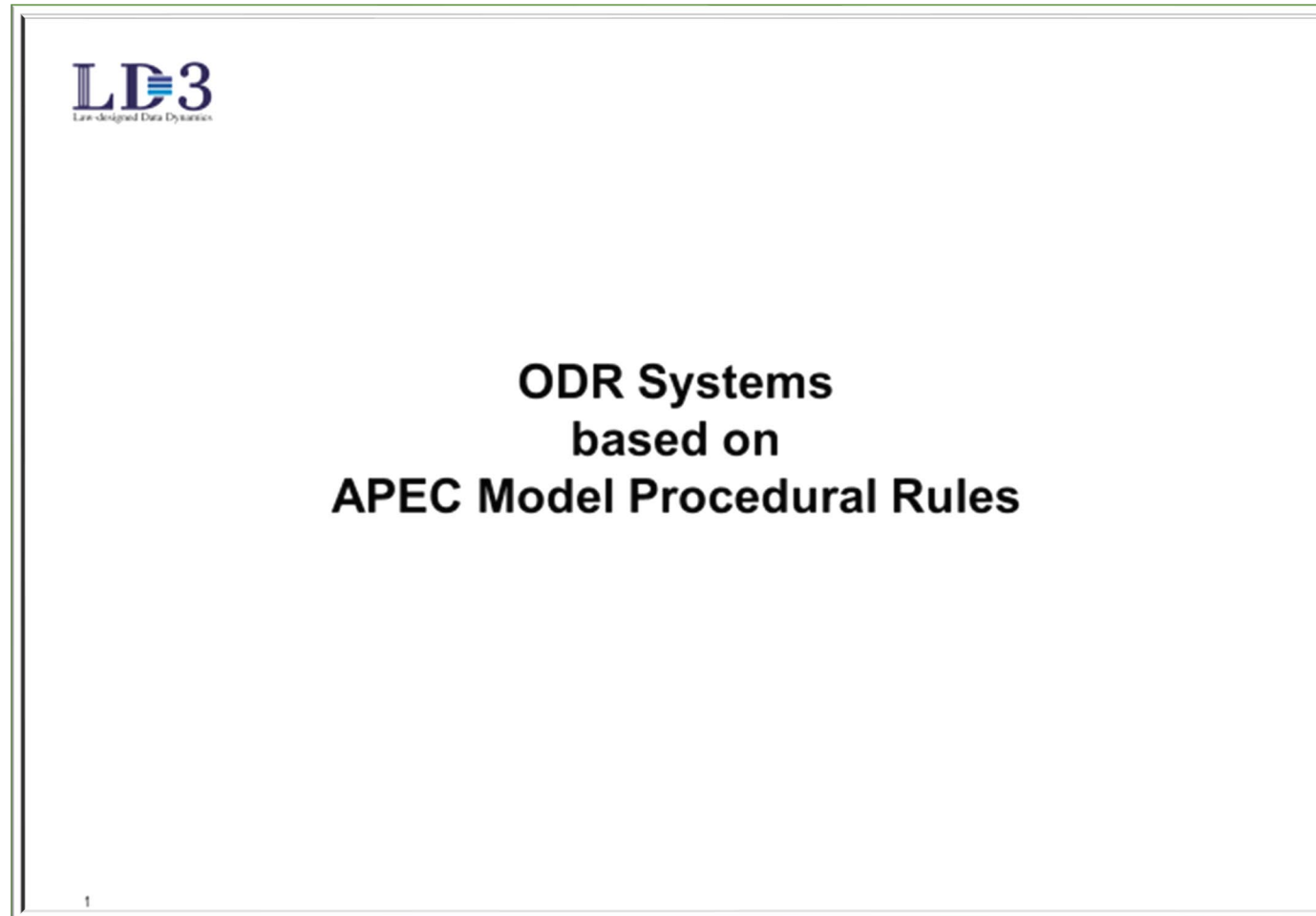
- *APEC:* APEC established the Model ODR Procedural Rules based on the UN's concept for the uniform operation of ODR.



- *ISO:* ISO has just started discussions on ODR for the standardization.



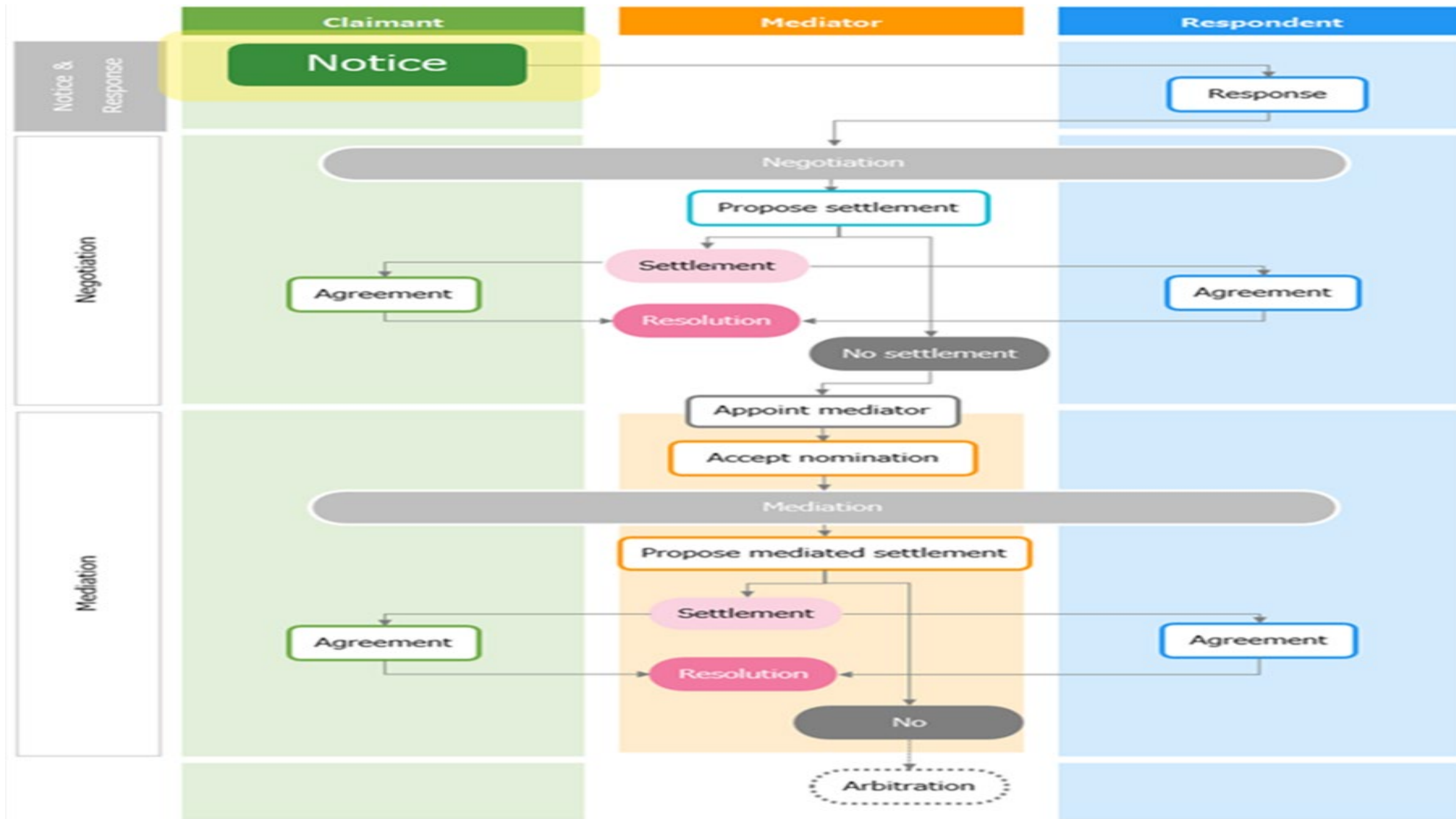
3. An Example of ODR



LD3
Law-designed Data Dynamics

**ODR Systems
based on
APEC Model Procedural Rules**

1



- Claimant : Login

EC site

Home > Contact

Contact

Frequently asked questions

Q1.....
Q2.....
Q3.....
Q4.....
Q5.....
Q6.....
Q7.....
Q8.....
Q9.....
Q10.....

[Click here for ODR procedures](#)

ODR Platform

Did you have any problems with your dealings?

If you want to use ODR (Online Dispute Resolution) to solve the problem, please log in.

Login

User ID

Password

LOGIN

[Forgo your password?](#)

Don't have an account?

SIGN UP

- Claimant : Top page

ODR Platform

Help / Contact General member Reiko Sakurai ▼

Procedure flow

1. Notice / Response 2. Negotiation 3. Mediaton 4. Arbitration

Welcom to ODR Platform

With this ODR platform, you can solve problems online.
It is also possible to work with a third party expert.

First of all, please register as a “claim” about the content of your problem.

New claim

- Claimant : Claim registration – input (1 of 2)

ODR Platform Help / Contact General member Reiko Sakurai ▼

● — ○ — ○
Input Confirm Finish


Register claim

Purchased product information

Purchased product

Seller

Seller email address

Purchase date 

Purchase amount ¥0

Type of claim


- Damaged product
- Product mismatch
- About delivery
- About billing
- About warranty
- Other

Claim details

- Respondent : Participate in negotiation stage


ODR Platform Help / Contact General member Jun Watanabe ▼

0003768480: Request for refund of Dewy Skin supplement Move to mediation Participate in negotiation



A claim has been submitted by Reiko. Please participate in negotiation.
Due date : July 15, 2019

[Overview](#) [Activities](#) [Messages](#) [Files](#)

Contents of claim NEW 

Purchased product Dewy Skin supplement
Purchase date July 9, 2019, 8:24PM
Purchase amount ¥8,900
Type of claim Other
Claim details When I took dewy skin supplements purchased at the shopping site, I was struck by abdominal pain that night.
I ask the seller to pay 5,000 yen as a refund for the merchandise and a gift.
Attachment [Order completed / Dewy Skin supplement.pdf](#)
Desired solution Refund, Other

Contents of response
Response is not registered.

Parties NEW

Claimant Reiko Sakurai
Email address reiko.sakurai@xxxx.co.jp

- Respondent : Claim registration – input (1 of 2)

ODR Platform Help / Contact General member Jun Watanabe ▼

Input Confirm Finish

Register response
Please enter a response to the following claim.

0003768480: Request for refund of Dewy Skin supplement

Purchased product Dewy Skin supplement
Purchase date July 9, 2019, 8:24PM
Purchase amount ¥8,900
Type of claim Other
Claim details When I took dewy skin supplements purchased at the shopping site, I was struck by abdominal pain that night. I ask the seller to pay 5,000 yen as a refund for the merchandise and a gift.
Attachment [Order completed / Dewy Skin supplement.pdf](#)
Desired solution Refund, Other
Claimant Reiko Sakurai

Contents of response

Type of response Product exchange
 Full refund
 Partial refund
 Other

Response details

- Respondent : Claim registration – finish

The screenshot displays the ODR Platform interface. At the top left, the text 'ODR Platform' is visible. To the right, there are links for 'Help / Contact', a user profile 'General member', and the name 'Jun Watanabe' with a dropdown arrow. A progress indicator at the top center shows three steps: 'Input', 'Confirm', and 'Finish', with 'Finish' being the active step. The main content area features a large heading 'Registration has been completed.' followed by the text 'Submitted a response to the claimant. From this point on, you can use messages.' and a button labeled 'To top page'.

- Respondent : Messages

ODR Platform Help / Contact **General member** Jun Watanabe ▼

0003768480: Request for refund of Dewy Skin supplement Move to mediation Create settlement

Please communicate with Reiko Sakurai and proceed to the drafting of the settlement if you agree.

Overview Activities **Messages** Files Due date : July 15, 2019

Message with all participation

Message with all participation

+ Add new group

6:05 PM Unread


My name is Watanabe of xxxx Co., Ltd.
We would like to pay the actual cost of the medicine in addition to the full refund for the inquired matter.
Would this be okay?

Type a message here 📎 Send

- Respondent : Correction recommendation in messages

ODR Platform Help / Contact **General member** Jun Watanabe ▼

0003768480: Request for refund of Dewy Skin supplement Move to mediation Create settlement



Please communicate with Reiko Sakurai and proceed to the drafting of the settlement if you agree.

Overview Activities **Messages** Files Due date : July 15, 2019


Message with all participation

Message with all participation
+ Add new group

6:05 PM
Read

My name is Watanabe of xxxx Co., Ltd.
We would like to pay the actual cost of the medicine in addition to the full refund for the inquired matter.
Would this be okay?

R **Claimant: Reiko Sakurai**
Hi, my name is Sakurai.
Yes, the medicene cost was about 5000 yen. 6:12 PM

5000 yen is too expensive. Show me the evidence. |  Send


- Respondent : Correction recommendation in messages

The screenshot displays the ODR Platform interface. At the top, it shows 'ODR Platform' and user information 'General member Jun Watanabe'. The main content area is titled '0003768480: Request for refund of Dewy Skin supplement'. A blue banner with icons and text reads: 'Please communicate with Reiko Sakurai and proceed to the drafting of the settlement if you agree'. Below this, a white modal window is open, displaying a yellow warning icon and the text: 'The message contains an emotional expression. For a pleasant communication, it is recommended that you correct the text before sending it.' The modal also shows the 'Target message:' '5000 yen is too expensive. Show me the evidence.' and two buttons: 'Send as it is' and 'Correct'. A red box highlights the 'Correct' button. A red callout box with a dotted line points to the modal, containing the text 'Correction recommendation using AI'. In the background, a message from 'Claimant: Reiko Sakurai' is visible, with the text: 'Hi, my name is Sakurai. Yes, the medicene cost was about 5000 yen. 6:12 PM'. At the bottom, a text input field contains the same text as the target message, with a 'Send' button next to it.

- Respondent : Correction recommendation in messages

ODR Platform Help / Contact General member Jun Watanabe ▼

0003768480: Request for refund of Dewy Skin supplement Move to mediation Create settlement



Please communicate with Reiko Sakurai and proceed to the drafting of the settlement if you agree.

Overview Activities **Messages** Files Due date : July 15, 2019

Message with all participation

Message with all participation
+ Add new group

6:05 PM
Read

My name is Watanabe of xxxx Co., Ltd.
We would like to pay the actual cost of the medicine in addition to the full refund for the inquired matter.
Would this be okay?


R **Claimant: Reiko Sakurai**

Hi, my name is Sakurai.
Yes, the medicene cost was about 5000 yen.

6:12 PM

6:15 PM
Unread


Could you please attach a product invoice and medicine receipt for confirmation?

Type a message here  Send

- Respondent : Attached files in messages

ODR Platform Help / Contact **General member** Jun Watanabe ▼

0003768480: Request for refund of Dewy Skin supplement Move to mediation Create settlement



Please communicate with Reiko Sakurai and proceed to the drafting of the settlement if you agree.

Overview Activities **Messages** Files Due date : July 15, 2019

Message with all participation

Message with all participation

+ Add new group


Yes, the medicene cost was about 5000 yen. 6:12 PM


6:15 PM Read


Could you please attach a product invoice and medicine receipt for confirmation?

R **Claimant: Reiko Sakurai**

Invoice and receipt. Please confirm.

 Invoice_Dewy Skin sup....pdf

 Receipt.png 6:21 PM

Type a message here  Send

INVOICE

XXXXXXXXXXXX Bldg.
XXXXXX, XXXXXX, Tokyo XXX-XXXX, Japan

No. 3768480
July 7th, 2019

Attention: Ms. Reiko Sakurai
XXXX

XXXX Co., Ltd.
XXXX Buliding
XXXX, Tokyo xxx-xxxx
Japan
Tel: +81 3 xxxx xxxx
Fax: +81 3 xxxx xxxx

XXXXXXXXXX
XXXXXXXXXXXXXXXXXX
XXXXXXXXXX

Description

Dewy Skin suppliment	JPY	8,240
Consumption Tax	JPY	660
<hr/>		
Total	JPY	8,900



• Respondent : Messages

ODR Platform Help / Contact **General member** Jun Watanabe ▼

0003768480: Request for refund of Dewy Skin supplement Move to mediation Create settlement

Please communicate with Reiko Sakurai and proceed to the drafting of the settlement if you agree.

Overview Activities **Messages** Files Due date : July 15, 2019

Message with all participation

Message with all participation Read receipt for confirmation?

+ Add new group

R Claimant: Reiko Sakurai

Invoice and receipt. Please confirm.

Invoice_Dewy Skin sup....pdf

Receipt.png

6:21 PM

6:25 PM Unread

Thank you. Now, we will proceed with the settlement. Please wait a moment.

Type a message here Send

- Respondent : Create settlement proposal

The screenshot displays the ODR Platform interface. At the top, it says "ODR Platform" and "Help / Contact General member Jun Watanabe". The main content area shows a message thread for "0003768480: Request for refund of Dewy Skin supplement". A blue banner at the top of the message thread reads "Please communicate with Reiko Sakurai and pro you agree." Below this are tabs for "Overview", "Activities", "Messages", and "Files". The "Messages" tab is active, showing a message from "Claimant: Reiko Sakurai" with attachments "Invoice_Dewy Skin" and "Receipt.png". A "Create settlement proposal" dialog box is overlaid on the right side of the screen. The dialog box has a title bar "Create settlement proposal" and a close button. The main content of the dialog box is "Please fill in the details of the settlement. (1 of 2)". Underneath, there is a section "How to settle" with four options: "Product exchange", "Full refund", "Partial refund", and "Other", each with an unchecked checkbox. At the bottom of the dialog box, there are "Save draft" and "Next" buttons. A red callout box points to the dialog box with the text "A navigation format that allows parties to smoothly create settlement proposals".

- Respondent : Create settlement proposal

ODR Platform Help / Contact **General member** Jun Watanabe ▼

0003768480: Request for refund of Dewy Skin supplement Move to mediation Create settlement

Please communicate with Reiko Sakurai and provide your response if you agree.

Overview Activities **Messages** Files

Message with all participation

Message with all participation

+ Add new group

R Claimant: Reiko Sakurai

Invoice and receipt. Please provide the invoice and receipt.

Invoice_Dewy skin s

Receipt.png

6:2
Un

Type a message here

Create settlement proposal

Please fill in the details of the settlement. (2 of 2)

Payment amount

Payment date

Return postage Borne by the buyer
 Borne by the purchaser

Remarks *Optional

Attachment [+ Add attachment](#)

Back Save draft ▼ Create

- Respondent : Create settlement proposal

The screenshot displays the ODR Platform interface. At the top, it shows 'ODR Platform' and user information 'General member Jun Watanabe'. Below this, a case title '0003768480: Request for refund of Dewy Skin supplement' is visible. A navigation bar contains icons for document, mediation, settlement, and court. Two buttons, 'Correct' and 'Submit', are present, with the 'Submit' button highlighted by a red rectangle. A modal window titled 'Settlement Agreement' is open, containing the following text:

Settlement Agreement

Settlement date -----, ----

Claimant Reiko Sakurai
Respondent xxxx Co., Ltd.
Jun Watanabe

0003768480: Request for refund of Dewy Skin supplement

The respondent shall confirm the amount and make payment to the claimant under the following conditions by the following date.

Overview: Full refund, Payment of solatium
Payment amount: JPY 13,900
Payment date: July 27th, 2019
Return postage: Borne by the purchaser

- Claimant : Reject settlement

The screenshot displays the ODR Platform interface. At the top, it says "ODR Platform" and "Help / Contact" with a user profile for "General member Reiko Sakurai". The main content area shows a case titled "0003768480: Request for refund of Dewy Skin supplement". There are buttons for "Move to mediation", "Create settlement", "Reject", and "Agree". A modal dialog box is open, asking "Do you reject this settlement proposal?" and "If you reject, please choose the next action from the following." The dialog has two radio button options: "Present a counter plan" and "Move to the mediation stage". The "Present a counter plan" option is highlighted with a red rectangle. Below the options are "Cancel" and "OK" buttons. A red dashed arrow points from the "OK" button to a red text box that says "If the settlement is rejected, create a counter plan or move to the mediation stage". The background shows a sidebar with "Claimant" and "Respondent" sections, and a main area with a table of items and an "Overview" section with details like "Payment amount: JPY 13,900" and "Payment date: July 27th, 2019".

- Respondent : Move to mediation stage

The screenshot displays the ODR Platform interface. At the top, it shows 'ODR Platform' and user information 'General member Jun Watanabe'. The main content area is titled '0003768480: Request for refund of Dewy Skin supplement'. A blue banner indicates 'A claim has submitted by Reiko. Please participate in negotiation.' with a 'Due date : July 15, 2019'. A modal dialog is open, asking 'Do you want to move to the mediation stage?' and explaining that this stage involves a third-party mediator. The 'Yes' button is highlighted with a red border. The background shows the 'Contents of claim' section with details like 'Purchased product: Dewy Skin su', 'Purchase date: July 9, 2019', and 'Type of claim: Other'.

ODR Platform Help / Contact General member Jun Watanabe ▼

0003768480: Request for refund of Dewy Skin supplement その他のアクション▼ 参加表明する

A claim has submitted by Reiko. Please participate in negotiation. Due date : July 15, 2019

Overview Activities

Contents of claim **NEW**

Purchased product Dewy Skin su
Purchase date July 9, 2019,
Purchase amount
Type of claim Other
Claim details When I took
I ask the selle
Attachment Order completed / Dewy Skin supplement.pdf
Desired solution Refund, Other

Contents of response

Response is not registered.

Parties **NEW**

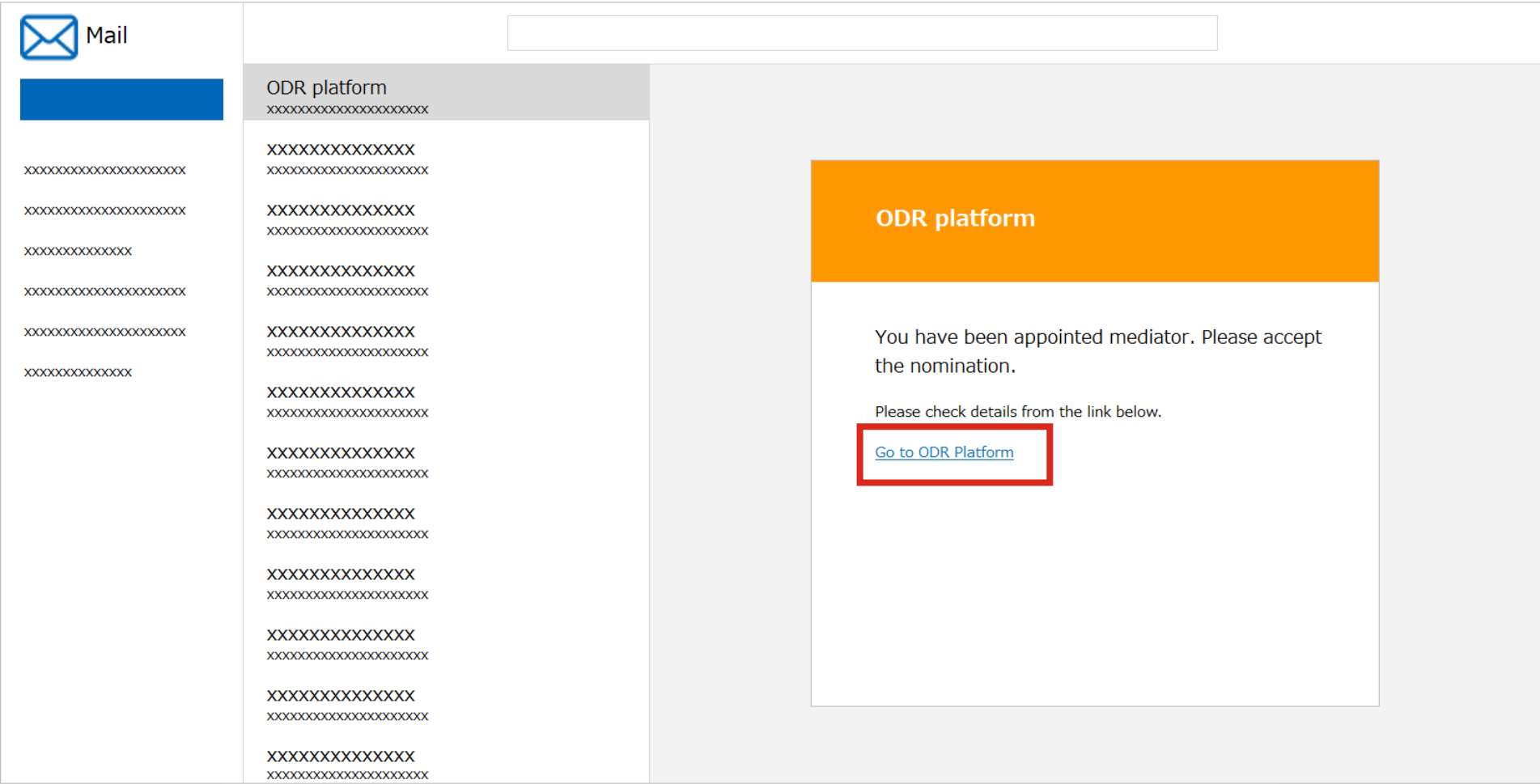
Claimant Reiko Sakurai
Email address reiko.sakurai@xxxx.co.jp

Do you want to move to the mediation stage?
When moving to the mediation stage, the dispute is resolved with a third-party mediator without negotiating only with the claimant and the respondent.

No Yes

abdominal pain that night.


- Mediator : E-mail notification



- Mediator : Check whole picture

ODR Platform Help / Contact Mediator May Hayata ▼

0003768480: Request for refund of Dewy Skin supplement Decline nomination Accept nomination



You have been appointed mediator. Please accept the nomination.

[Overview](#) **Activities** [Messages](#) [Files](#) Due date : July 28, 2019

Contents of claim

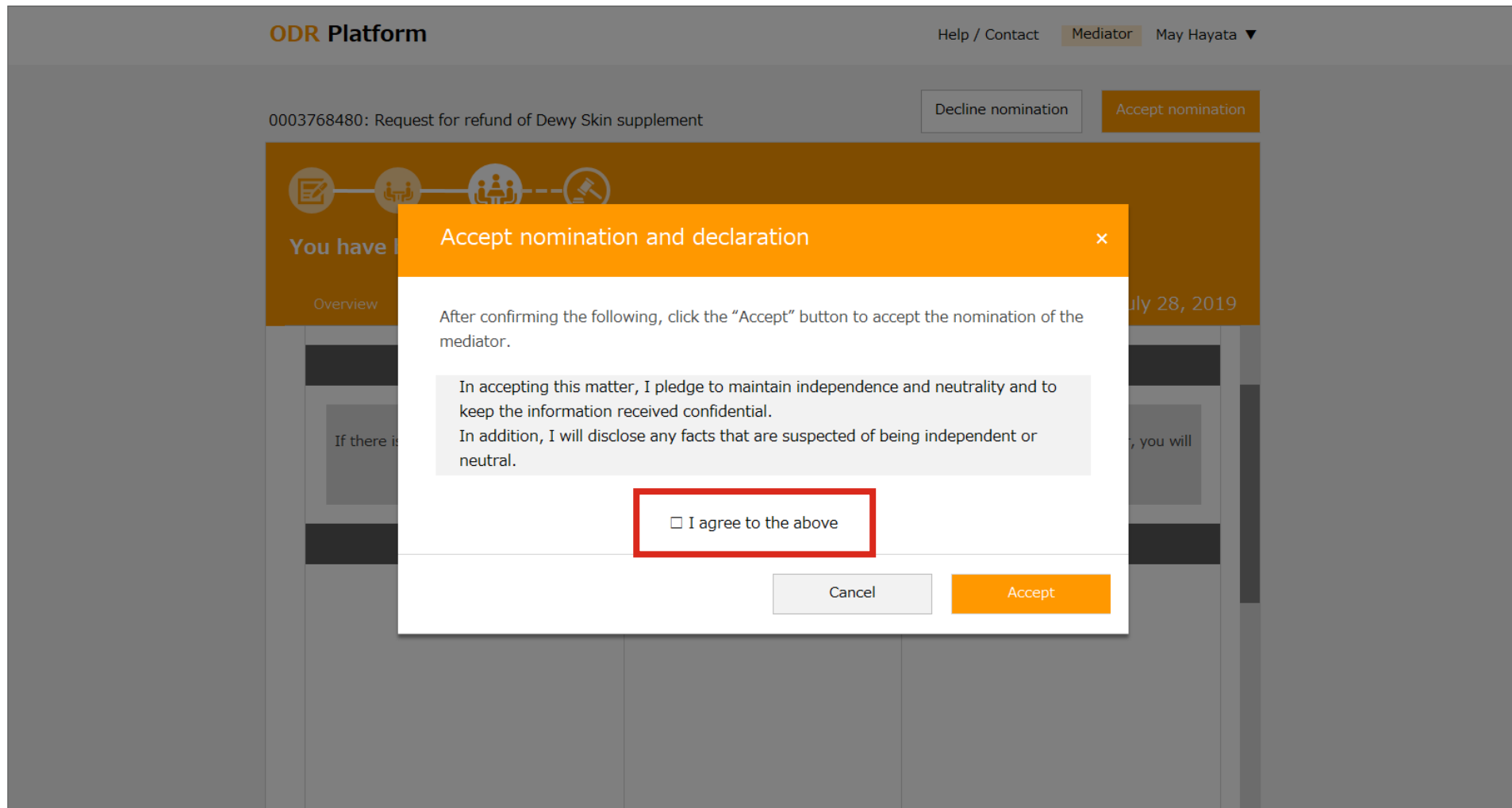
Purchased product	Dewy Skin supplement
Purchase date	July 9, 2019, 8:24PM
Purchase amount	¥8,900
Type of claim	Other
Claim details	When I took dewy skin supplements purchased at the shopping site, I was struck by abdominal pain that night. I ask the seller to pay 5,000 yen as a refund for the merchandise and a gift.
Attachment	Order completed / Dewy Skin supplement.pdf
Desired solution	Refund, Other

Contents of response

Type of response	Full refund
Response details	We will refund the product cost. Please return the product.
Attachment	—
Counterclaim	No claim

Parties

- Mediator : Accept nomination of mediator and declaration




- Claimant : Check mediator

ODR Platform Help / Contact General member Reiko Sakurai ▼

[Change mediator](#)

May Hayata has been appointed as mediator.



May Hayata
National xxxx association xxxx Certified Advisor

Mediator experience

Number of mediations	213 (As of April 2019)
Number of resolutions	189
Resolution rate	88.7%

Biography

- xxxx Graduated from xxxx university
- xxxx Graduated from xxxx graduate school
- xxxx Joined xxxx office
- xxxx Appointed advisor at the national xxxx association

Specialized field

- Claimant : Change mediator

ODR Platform

If you need to change the mediator, you can proceed quickly

Change mediator [X]

Do you want to change the mediator? (You can change up to 3 times)

If you wouldn't mind, please let us know the reason for the change. (Optional)

- Because there is a stake in the mediator.
- Because the specialized field of the mediator doesn't match.
- Because I feel the mediator against me.
- Other


Cancel Change

Specialized field
Administration, Divorce, Inheritance

- Claimant : Change mediator

ODR Platform Help / Contact **General member** Reiko Sakurai ▼

Change mediator



Mike Davis

xxxx Office

Mediator experience

Number of mediations	417 (As of April 2019)
Number of resolutions	383
Resolution rate	91.8%

Biography

- xxxx Graduated from xxxx university
- xxxx Graduated from xxxx graduate school
- xxxx Joined xxxx office
- xxxx Joined national xxxx association
- xxxx Assume an advisor of xxxx association

Specialized field

Real estate, Government

A new mediator has been appointed.×

- Mediator : Messages

The screenshot displays the ODR Platform interface for a mediation case. At the top, the title "ODR Platform" is on the left, and "Help / Contact Mediator May Hayata" is on the right. Below this, the case ID "0003768480: Request for refund of Dewy Skin supplement" is shown, with buttons for "Resign mediator" and "Create mediated settlement".

A central orange banner contains icons for document, people, group, and judge, with the text "Communicate with both parties to create a mediation plan." Below the banner are tabs for "Overview", "Activities", "Messages" (selected), and "Files". A "Due date : July 28, 2019" is displayed on the right.

The message history shows a "Message with all participation" group. The first message is from the mediator: "achieved by discussion with a third party. May I proceed to mediation?" (July 18, 5:02 PM). The second message is from the claimant, Reiko Sakurai: "Yes, please." (July 18, 5:51 PM). A system message follows: "Mediator: May Hayata joined." (July 19, 11:09 AM Unread). The final message is from the mediator: "My name is Hayada, the mediator. Ms. Sakurai, may I ask you about the detailed situation when taking the supplement?" (Unread).

At the bottom, there is a text input field "Type a message here" and a "Send" button.

- Mediator : Create mediated settlement proposal

The screenshot displays the ODR Platform interface for a mediation case. At the top, the header includes "ODR Platform" on the left, "Help / Contact" in the center, and "Mediator May Hayata" on the right with a dropdown arrow. Below the header, the case ID "0003768480: Request for refund of Dewy Skin supplement" is shown. Two buttons are present: "Resign mediator" and "Create mediated settlement", with the latter highlighted by a red box. A large orange banner contains the text "Communicate with both parties to create a mediation plan." and icons for document, people, and mediation. Below the banner are tabs for "Overview", "Activities", "Messages" (selected), and "Files". A "Due date : July 28, 2019" is displayed on the right. The main area shows a "Message with all participation" thread. A date separator "July 19" is visible. A system message states "Mediator: May Hayata joined." followed by a message from the mediator: "My name is Hayada, the mediator. Ms. Sakurai, may I ask you about the detailed situation when taking the supplement?" (11:09 AM, Read 2). A response from the claimant, Reiko Sakurai, is shown: "Ms. Hayata, nice to see you. I got sick on the night I took the supplement. I don't have any meals other than supplements that day, so I'm sure the cause is supplements." (12:47 PM). At the bottom, there is a text input field "Type a message here" and a "Send" button.

- Mediator : Create mediated settlement proposal

The screenshot displays the ODR Platform interface for a case titled "0003768480: Request for refund of Dewy Skin supplement". The user is identified as "Mediator May Hayata". The interface includes a navigation bar with "Overview", "Activities", "Messages", and "Files". A message from "Claimant: Reiko Sakurai" is visible, stating: "Ms. Hayata, nice to see you... the supplement. I don't hav... supplements that day, so I'r... supplements." The "Create mediated settlement" form is open, showing options for "How to settle" (Product exchange, Full refund, Partial refund, Other), a "Payment amount" of ¥8,900, a "Payment date" of July 27, 2019, and "Return postage" options (Borne by the buyer, Borne by the purchaser). A feedback question "Was the AI proposal helpful?" has "Yes" and "No" options. The "Next" button is highlighted with a red box.

- Mediator : Create mediated settlement proposal

The screenshot displays the ODR Platform interface. At the top, it shows 'ODR Platform' and 'Help / Contact'. The user is logged in as 'Mediator May Hayata'. The main content area shows a request for refund of Dewy Skin supplement (ID: 0003768480). There are two buttons: 'Resign mediator' and 'Create mediated settlement'. Below these, there are 'Correct' and 'Submit' buttons, with the 'Submit' button highlighted in orange and enclosed in a red box. A modal window titled 'Settlement' is open, displaying the following information:

Settlement

Settlement date: ---, ---, 2019
Mediator: National xxx association
May Hayata

Claimant: Reiko Sakurai
Respondent: xxx Co., Ltd.
Jun Watanabe

0003768480: Request for refund of Dewy Skin supplement

The respondent shall confirm the amount and make payment to the claimant under the following conditions by the following date.

Overview:	Full refund
Payment amount:	JPY 13,900
Payment date:	July 27th, 2019
Return postage:	Borne by the purchaser

- Claimant : Confirm mediated settlement

ODR Platform
Help / Contact General member Reiko Sakurai ▼

0003768480: Request for refund of Dewy Skin supplement

Change mediator

Settlement

Waiting for confirmation of mediation proposal by Jun Watanabe.

Overview
Activities
Messages
Files

Due date : July 28, 2019

Contents of claim

Purchased product	Dewy Skin supplement
Purchase date	July 9, 2019, 8:24PM
Purchase amount	¥8,900
Type of claim	Other
Claim details	When I took dewy skin supplements purchased at the shopping site, I was struck by abdominal pain that night. I ask the seller to pay 5,000 yen as a refund for the merchandise and a gift.
Attachment	Order completed / Dewy Skin supplement.pdf
Desired solution	Refund, Other

Contents of response

Type of response	Full refund
Response details	We will refund the product cost. Please return the product.
Attachment	—

An agreement was made.
✕

Parties

- Claimant : Confirm mediated settlement

The screenshot shows the ODR Platform interface. At the top, it says "ODR Platform" and "Help / Contact" with a user profile for "General member Reiko Sakurai". The main content area displays a case titled "0003768480: Request for refund of Dewy Skin supplement". There are buttons for "Change mediator", "Confirm mediated settlement", "Reject", and "Agree". The "Agree" button is highlighted with a red box. A modal dialog box titled "Settlement" is open, showing the following details:

Settlement

Settlement date: ----, ---- 2019
Mediator: National xxx association
May Hayata

Claimant: Reiko Sakurai
Respondent: xxxx Co., Ltd.
Jun Watanabe

0003768480: Request for refund of Dewy Skin supplement

The respondent shall confirm the amount and make payment to the claimant under the following conditions by the following date.

Overview:	Full refund
Payment amount:	JPY 13,900
Payment date:	July 27th, 2019
Return postage:	Borne by the purchaser

- Respondent : Agree to mediated settlement

The screenshot displays the ODR Platform interface. At the top, the header includes "ODR Platform", "Help / Contact", and user information "General member Jun Watanabe". The main content area shows a case titled "0003768480: Request for refund of Dewy Skin supplement". A modal dialog box titled "Settlement" is open, containing the following information:

Settlement

Settlement date: ----, --- 2019
Mediator: National xxxx association
May Hayata

Claimant: Reiko Sakurai
Respondent: xxxx Co., Ltd.
Jun Watanabe

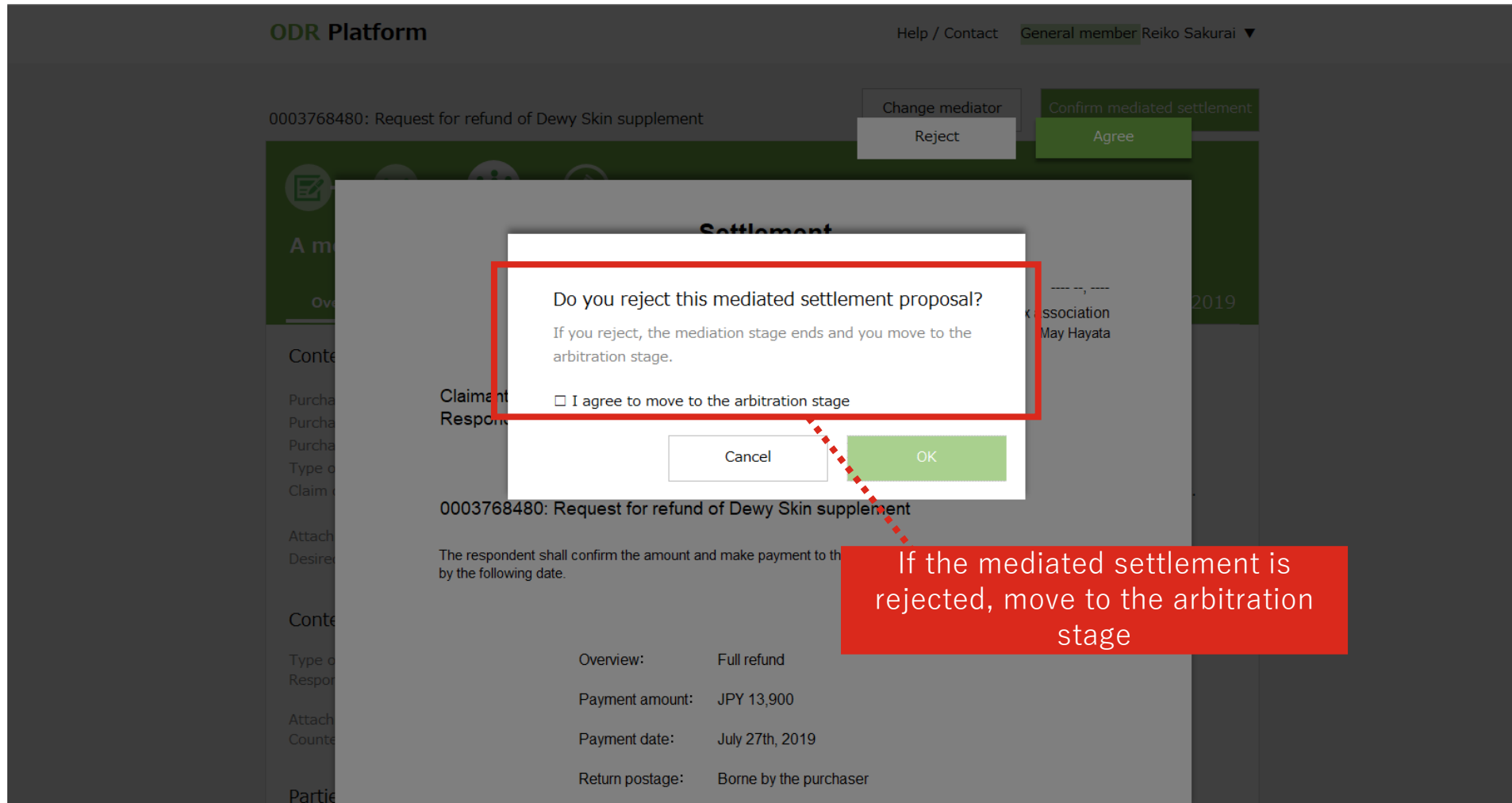
0003768480: Request for refund of Dewy Skin supplement

The respondent shall confirm the amount and make payment to the claimant under the following conditions by the following date.

Overview:	Full refund
Payment amount:	JPY 13,900
Payment date:	July 27th, 2019
Return postage:	Borne by the purchaser

The dialog box also features "Reject" and "Agree" buttons, with the "Agree" button highlighted by a red rectangle.

- Claimant : Reject mediated settlement



4. Examples in Other Legal Areas

<Smart Contract in Transactions>

- Smart Contract is not a Contract.
- It is an idea provided by IT Communities:
Programming all the possible scenarios in advance relating to the transactions and preparing a solution for each scenario including the enforcement process using cryptocurrency
- No more use of lawyers.



4. Examples in Other Legal Areas

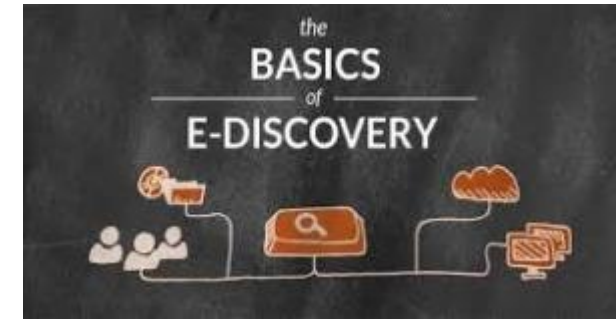
<Virtual Digital Room in M&A>



- All the digital data relating to the M&A should be gathered in the Virtual Digital Room.
- The data will be categorized by a computer software without human power for the smooth operation of the due-diligence research.
- Automatic Evaluation by AI will be realized soon or later.

4. Examples in Other Legal Areas

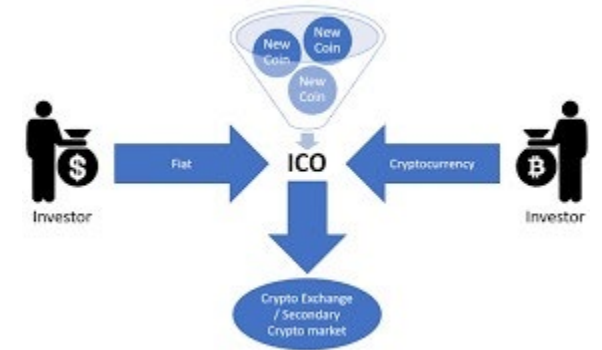
<E-Discovery in the US Litigation>



- All the digital data somehow relating to the case has to be exchanged between the parties.
- The data will be checked by a computer software without human power according to the promised conditions.
- The data deeply relating to the case will be found without lawyers.

4. Examples in Other Legal Areas

<Initial Coin Offering (ICO) in Finance>



- Many business corporations started to gather money from the public not by IPO but by ICO using Cryptocurrency.
- They tried to avoid too complicated regulations and high cost of financial institutions and lawyers.
- Some States started to provide new rules for ICO in order to encourage ICO inside of their markets.

5. Impacts of IT & AI against Legal Communities



- Certain types of Lawyers' Work are being replaced by IT and AI.
- It will remove many types of Lawyers' Jobs in a decade.
- Ordinary Lawyers will not be able to earn enough money anymore.

6. Future of Legal Communities and Roles of Bar Associations



- Japan Federation of Bar Associations established a new section for the preparation for the new age.
- It tries to predict a coming feature of lawyers in the new age and to provide a new business-model of lawyers.
- Then, it will provide one or more abilities needed for the new model and will plan to make training programs for the young and senior lawyers.

Lawyers are being challenged

- Impacts of IT & AI against Legal Communities-
- Online Dispute Resolution & Some Others-

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